

Elotex AG

Pat 1320/9-98

München, December 14, 1998

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CLAIMS

1. Redispersible material, particularly in powder form, which comprises a polymer containing silanol groups, the silanol groups being provided with a protective group.

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2. Redispersible material according to claim 1, characterized in that the protective group is based on a hydroxy group-containing compound.

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3. Redispersible material according to one of the claims 1 or 2, characterized in that the hydroxy group-containing compound is a polyol.

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4. Redispersible material according to claim 3, characterized in that the polyol is a polyhydric alcohol in the form of trimethylolpropane, glycol, diethylene glycol, butane triol, pentane triol, hexane triol and/or pentaerythritol or a polymer with more than two hydroxy groups, particularly polyvinyl alcohol.

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5. Aqueous system containing the redispersible material according to at least one of the claims 1 to 4.

6. Process for the preparation of a redispersible material according to one of the claims 1 to 5 by reacting a silanol group-containing polymer with a compound having a protective function for the silanol groups, optionally with the subsequent recovery of a redispersible, pulverulent material from the polymer provided with the protective groups.

7. Process according to claim 6, characterized in that the compound with the protective function contains at least one hydroxy group.

5 8. Process according to one of the claims 6 or 7, characterized in that the hydroxy group-containing compound is a polyol, particularly a polyhydric alcohol in the form of trimethylol propane, glycol, diethylene glycol, butane triol, pentane triol, hexane triol and/or pentaerythritol or a polymer with more than two hydroxy groups, particularly polyvinyl alcohol.

10 9. Process according to at least one of the claims 6 to 8, characterized in that the redispersible, pulverulent material is obtained by drying, particularly by spray or freeze drying.

15 10. Use of the redispersible material according to one of the claims 1 to 5 in composite and coating mortars, cement dyes and adhesives, plastic-containing, cement-bound systems, particularly mortars, and plastic-bound, cement-free binders, particularly in cement-free mortars, gypsum mortars, primers, plasters, carpet, wood, powder and floor adhesives, as well as in wallpaper pastes, disperse dyes and glass fibre composite systems.

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